

Safety and Hospital Information for LBA Ecology Sites in Brazil

General Information about Health Care Facilities

The objective of this manual is to inform you of who to contact and where to go in case of emergencies or health care problems while doing fieldwork for LBA Ecology in Brazil. It is important to review this material, as it will expedite your treatment in the case of emergencies. After reading this manual, you should identify the hospital nearest to your field site and speak with the logistics aide in that area to understand what emergency equipment is available (e.g., backboards, first aid kits, satellite phones, anti-venom, etc.). You should also ask the logistics aide to point out any important information about dangers specific to your field site (e.g., snake identification, tower training, 4x4 training, etc.). **In case of any emergencies or health problems, you should immediately contact the local office or logistics aide where you are in Brazil.** They can assist you with finding an appropriate hospital and help facilitate logistical difficulties you may encounter. Below is a list of who to contact at the major LBA Ecology Sites in Brazil.

The Brazilian hospital system is a network of private and public hospitals. The public hospitals are funded by the Brazilian government and do not require payment of services from the patients. The public hospitals are usually the only hospitals that have anti-venom for poisonous snakes and other venomous animal bites. The Secretary of Health for each state furnishes anti-venom for public hospitals first. Since the supply is limited, they often cannot furnish anti-venom for private hospitals.

In remote locations, such as Santarém or Ji-Paraná, public hospitals (often referred to as municipal hospitals) generally have better emergency treatment than private hospitals. Since public hospitals are free and usually better equipped to handle emergencies these public hospitals can often be overcrowded. A rule of thumb is to go to the public hospitals for emergencies and private hospitals for ambulatory (“walk-in”) injuries. A fee may be charged at private hospitals, but the wait to be treated will likely be shorter. If you have to be in a public hospital for any length of time, you may want to be transferred to a private hospital once your injury has been stabilized, since accommodations are often better (e.g., rooms with air conditioning).

The quality of hospitals varies greatly from small town to large city. For example, you will find very well equipped and modern hospitals in Brasília with most types of medical specialists. The hospitals in Belém and Manaus are better equipped than the smaller cities. In Santarém and Ji-Paraná, the medical facilities are poorer. For example, in Santarém there is only one hospital with an emergency room, which only recently acquired their first defibrillators and respirators. They recently acquired their first ICU beds and do not have a reliable ambulance system. The physicians at smaller hospitals are usually well trained and many have been schooled in sophisticated hospitals. Due to funding constraints, these able doctors are not always able to provide the treatment they are trained to give due to the lack of proper equipment. In addition, remote locations do not have a well-oiled system of evacuation to larger cities. Do not go to Santarém with expectations of being airlifted to Miami in case of an emergency. To be evacuated

you may have to take a long ambulance ride to the capital (e.g., if in Ji-Paraná) or reserve nine seats on the local airline to get to a larger city (e.g., if in Santarém). You might be interested in acquiring your own evacuation insurance. There are some insurance companies in the US that will guarantee evacuation to the US in case of emergencies.

The LBA Ecology Project Office is working to encourage safe operational practices and to develop emergency plans at each site. In addition to providing basic safety equipment, the Project Office has held first aid courses, poisonous snake identification courses, vehicle training, and tower climbing courses for local staff and scientists. The Project Office is also translating a first aid book so that Portuguese and English versions are available. Additionally, a poisonous animal handbook is being translated. The Project Office has also been involved in helping a local hospital become better equipped to handle emergencies. If you would like to find out about any courses being held at your field site or have any questions about safety information, please contact the Infrastructure Team lba-infrastructure@tapajos.gsfc.nasa.gov. Below you will see a list of contact persons at each site in case of an emergency. This list is followed by a description of hospitals at major field sites.

Santarém:

Bethany Reed, Coordinator
LBA Ecology Santarém Logistics Office
Rua 24 de Outubro, 3707
Santarém, Pará, Brasil
Tel: +55 (91) 523-4138; Bethany's cell +55 (91) 9975-4604 (dial 523-4138 or 9975-4604 locally)

Ji-Paraná:

Keila Aires, Logistics Aide
LBA Ecology Ji-Paraná Logistics Office
Rua XV de Novembro, 201
Bairro Casa Preta
Ji-Paraná, Rondônia, Brasil
Tel: +55 (69) 421-0242; Keila's cell +55 (69) 9975-3580 (dial 421-0242 or 9975-3580 locally)

Brasília

Jair Maia, Logistics Aide
Laboratório e Departamento de Ecologia
Modulo 15 - ICC - Sul - Sub-Solo
Universidade de Brasília
Campus Univiersitário Darcy Ribeiro
Tel: +55 (61) 307-2326; Jair's cell +55 (91) 9962-9500 (dial 307-2326 or 9962-9500 locally)

Manaus

Esther Tribuzy, Logistics Aide
LBA Manaus Regional Office (Ana Claudia Lessa, Administrative Asst.)
INPA - Av. André Araújo, 2936, Alojamento 9- Petrópolis
Manaus, Amazonas, Brasil
Tel: +55 (92) 643-3238; Esther's cell +55 (92) 9116-4790 (dial 643-3238 or 9116-4790 locally)

Belém

Rosyane Rodrigues, Manager of Belem Office
LBA Belem Regional Office
EMBRAPA
Tv. Dr. Enéas Pinheiro, s/n

Belém, Pará, Brasil

Tel: +55 (91) 276-6653 ext. 211; Rosyane's cell +55 (91) 9994-7693 (dial 276-6653 or 9994-7693 locally)

I. Santarém, Pará

For all emergencies, you should contact the Santarém office or coordinator immediately. The coordinator will notify the emergency room and physicians of your arrival and take the supply of anti-venom to the hospital if necessary. Please remember that if you have an emergency you will need to go to the Municipal Hospital of Santarém. If you have a less urgent, walk-in problem you can choose another hospital (See Santarém Hospital Map). Please contact the local logistics coordinator for further advice.

A. Municipal Hospital of Santarém (Pronto Socorro Municipal de Santarém - PSM)

Address: on Av. Presidente Vargas between Av. Bar

Silvino Pinto.

Telephone: +55 (91) 523-2952; 523-3001; 523-2935 (dial 523-2952 locally)

Description	This hospital is the best equipped in Santarém for emergency treatment. If evacuation from Santarém to Belém or Manaus is needed, nine seats will have to be cleared on Varig, when the patient will use to go by airplane to one of those cities. Transport may not be recommended if sufficient equipment is not available in Manaus or Belém.
Physician Specialties	Dr. Erik Jennings, neurosurgeon
Physician Hours	12 hour shifts
Nurses	12 hour shifts
Rooms	29 beds
Emergency Room	Ten beds
Ambulances	Two ambulances
English Speaking Physicians	Dr. Erik Jennings is very familiar with the LBA project and can assist with emergencies.
ICU	Four beds
Forms of Payment	Treatment is free
Costs	Treatment is free
Anti-venom	Anti-venom is available at the hospital and the Logistics Office.
Point of Contact	Dr. Erik Jennings +55 (91) 9122-0100 (dial 9122-0100 locally) Dr. Livia is in charge of the emergency room and is also familiar

	with the LBA Project. Both physicians have helped teach first aid courses for our local staff and scientists.
Private or Public?	Public

B. *Hope Foundation (Fundação Esperança)*

Address:

Telephone: +55 (91) 522-2726

Description	This is not an emergency facility, but an ambulatory clinic that has many English-speaking physicians (see below). This clinic is recommended for dental problems and other non-emergency health problems. The wait to be treated is generally shorter than that of the Municipal Hospital.
Physicians	Dr. Ron Bertagnoli
Physician hours	Monday – Friday 7:30am-11:30am and 1:30pm-5:30pm
Nurses	Hirlene
Rooms	None
Emergency Room	None
Ambulances	None
English Speaking Physicians	Many of the physicians are American or from other English speaking countries and are volunteers with the Foundation. Much of the full time staff is Brazilian, but many are bilingual.
ICU	None
Forms of Payment	Cash
Costs	R\$14.00
Anti-venom	None
Point of Contact	Ron Bertagnoli
Private or Public?	Private non-profit

II. Ji-Paraná, Rondônia

A. *Municipal Hospital of Ji-Paraná (Hospital Municipal de Ji-Paraná)*

Address: Rua Dom Bosco, # 1300, Dom Bosco

Telephone: +55 (69) 421-2121; 421-2799; 421-2315; 423-6635 (e.g., dial 421-2121 locally)

Description	This hospital has a diverse group of physicians. Many private practice doctors also practice at this public hospital. If possible, it is recommended to make an appointment, as certain doctors have limited availability. The emergency treatment staff is well qualified. It is recommended that patients who are in a condition to be transported be taken to a private hospital where the rooms and conditions are of better quality.
Physicians	<p>Dr. Aparício P. Lima – Pediatrics and general</p> <p>Dr. João Durval R. T. Mendes – general</p> <p>Dr. Jorge Tenório da Silva – general</p> <p>Dr. Vladimir Capelasso – general</p> <p>Dr. Augusto C. Maia Souza – general</p> <p>Dr. Mariano de Sá – general</p> <p>Dr. Valter Pinto Mendes – general</p> <p>Dr. Nobuo Sakuno – orthopedics</p> <p>Dr. Narciso A. Faustino Jr. – orthopedics</p> <p>Dr. Sérgio A. – orthopedics</p> <p>Dr. Antonio Mauro de Rossi – orthopedics</p> <p>Dr.^a Rosangela P. Lima – pediatrics</p> <p>Dr. Freddy Omar P. Tapia – pediatrics</p> <p>Dr. José Luiz de Almeida – pediatrics</p> <p>Dr. Antonio Nóbrega Costa – pediatrics</p> <p>Dr. Efraim B. N. Magalhães – anesthesiology</p> <p>Dr. Levindo C. Primo – anesthesiology</p> <p>Dr. Mauriy Horta Lemos – anesthesiology</p> <p>Dr. Luiz Alberto Borges – anesthesiology</p> <p>Dr. Luiz Carlos de S. Pereira – anesthesiology</p> <p>Dr. Whadi Sávio Seabra – anesthesiology</p> <p>Dr. Olavo Filho – surgery</p> <p>Dr. Fernando J. Gantiex – surgery</p> <p>Dr. Valter Ângelo Rodrigues – surgery</p> <p>Dr. Jaques Mendonça Ribeiro – surgery</p> <p>Dr. Deusdete A. Alves – surgery</p> <p>Dr. Dale Alencar Lacerda – surgery</p> <p>Dr. Aparício Quintus P. Lkma – surgery</p> <p>Dr. Edilena dos Santos Moraes – surgery</p> <p>Dr. Geraldo Carvalho de Alencar – surgery</p>
Physician hours	24 hours a day
Nurses	Six nurses and 91 nurse technicians
Rooms	A collective nursing area with 130 beds.

	Patients with infectious diseases are separated into five nursing areas containing 20 beds.
Emergency Room	20 beds In cases of serious emergencies, up to 50 people can be attended simultaneously.
Ambulances	Three ambulances, one is equipped to provide transport to other cities in Rondônia.
English Speaking Physicians	None
ICU	None, however general medical emergency equipment is available.
Forms of Payment	Treatment is free
Costs	Treatment is free
Anti-venom	Yes
Point of Contact	Clinical Director: Dr. Luiz Carlos – general clinician and anesthesiologist Administrative Director: Sr. Mariano Piazero – superintendent of the municipal hospital
Private or Public?	Public

B. Hospital Pró-Saúde

Address: Rua Almirante Barroso, # 099, neighborhood Centro

Telephone: +55 (69) 422-1545 (dial 422-1545 locally)

Fax: +55 (69) 422-2216

Description	This hospital is the best equipped to attend emergencies, and is the only private hospital has an on-duty physician at all times. The hospital is the only facility in Ji-Paraná with and ICU. Payment is also facilitated at this hospital because they accept most major credit cards.
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Physicians	<p>Dr. Carlos da Silva – gynecology and obstetrics</p> <p>Dr. Alcílio José de Souza Filho – gynecology and obstetrics</p> <p>Dr. Manuel Lopes Lamego – general, gynecology and obstetrics</p> <p>Dr. Nelson Espaki – general</p> <p>Dr. Emílio Luís Dordá Pereira – general</p> <p>Dr. Hamilton Giovanini – cardiology</p> <p>Dr. Alda Maria Cruz – pediatrics</p> <p>Dr. José Luiz de Almeida – pediatrics</p> <p>Dr. Luiz Carlos de Oliveira – plastic surgery</p> <p>Dr. Neuza Pavan dos Santos – dermatology</p> <p>Dr. Rosana Acosta de Jesus – dermatology</p> <p>Dr. Narciso A. Faustino – orthopedics and trauma</p> <p>Dr. Márcia Regina da Matta Alves – physiotherapy</p> <p>Dr. Regis Feitas de Souza – physiotherapy</p> <p>Dr. Maria de Fátima Rosin – biochemistry</p> <p>Dr. Pedro Paulo de Carvalho – psychology</p> <p>Dr. Simone Lia Pires – psychology</p> <p>Dr. Maria Gilka e Silva Lamego – anatomy and pathology</p> <p>Dr. Jorge Trubian – neurology</p>
Physician hours	All physicians are on duty from 8:00am to 6:00pm. After 6:00 pm one doctor of each of the specialties is on shift, as well as a nurse assistant.
Nurses	One nurse, five nurse technicians, and 11 nurse assistants.
Rooms	36 rooms (two beds each) and two suites.
Emergency Room	One room with space for three patients. Stabilized patients are transferred to a recovery room with eleven beds.
Ambulances	One ambulance equipped to transport patients within the state of Rondônia. In cases where the patient is taken to another state, an auxiliary unit is requested from the destination hospital.
English Speaking Physicians	<p>Dr. Emilio Luiz Dordá Pereira – general clinician – tel: 55 69 9975 1368 (dial 9975-1368 locally)</p> <p>Dr. Carlos da Silva – gynecology and obstetrics– tel: 55 69 9975 2266 (dial 9975-2266 locally)</p>
ICU	The hospital has an ICU equipped for any type of emergency.
Forms of Payment	American Express, Visa, and checks are accepted. Cash in the form of Brazilian <i>reais</i> or U.S. dollars are accepted. If the patient is interned a deposit must be paid when checking-in to the hospital.

Costs	Clinical internment: R\$ 300 Complicated clinical internment: R\$ 1,000 Surgery: R\$ 2,000 Complicated surgery: R\$ 5,000
Anti-venom	None
Point of Contact	Day: Dorival Zanchi – administrative manager Night: Doctor on shift or nurse Clinical director: Dr. Alcílio José de Souza Filho Administrative director: Dr. Benedito Carlos da Silva
Private or Public?	Private

C. *Hospital Clismar*

Address: Rua Dr. Fiel, # 220, neighborhood Vila Jotão, 2º District

Telephone: +55 (69) 421-3646 (when dialing locally dial 421-3646)

Description	This is a maternity hospital but has a higher capacity to treat emergencies than CEMED. However, it is located on the other side of the city from the project house and is not in as a convenient location as CEMED.
Physicians	Dr. Efraim Brasília N. V. Magalhães – general surgery, obstetrics and gynecology Dr. Eliedson Vicente de Almeida – general, obstetrics and gynecology Dr. Aparício Quintus P. Lima – obstetrics and gynecology Dr. Freddy Omar P. Tapia – pediatrics Dr. Levindo Custódio Primo – anesthesiology Dr. Maury Hota Lemos – anesthesiology Dr. Luiz Carlos Souza Pereira - anesthesiology Dr. Maria Riva Souza Amarim – obstetrics and gynecology Dr. Deusdete Antonio Alves – general surgery Dr. Sonia Maria de Oliveira – psychology Dr. Narciso Faustino Alves Junior – orthopedics and trauma Dr. Aparício Primus P. Silva – pediatrics and general Dr. Rosangela P. Lima – pediatrics
Physician hours	8:00am to 6:00pm all doctors on-duty. After 6:00pm the attending nurse can contact the on-call doctor
Nurses	One nurse and five nurse assistants.

Rooms	Seven rooms (two beds each)
Emergency Room	One emergency room (three beds)
Ambulances	None available
English Speaking Physicians	None available
ICU	No ICU available. Transport equipment is available to transfer patient to a hospital with an ICU.
Forms of Payment	Checks and cash accepted.
Costs	R\$ 350 Simple Clinical Internment R\$ 1,500 Surgery Emergency room visits must be paid for at time of visit.
Anti-venom	None
Point of Contact	Day: Miriam Beatriz Inácio – administrative manager Night: Nurse on shift
Private or Public?	Private

D. Hospital and Maternity CEMED

Address: Rua das Flores, #509, Urupá neighborhood (located near INCRA)

Tel: +55 (69) 422-2331 (when dialing locally dial 422 2331)

Description	This hospital is a maternity clinic and is not the best place to go in case of an emergency.
Physicians	Dr. Edgardo Franco – obstetrics and gynecology Dr. Valter Ângelo – urology, obstetrics and gynecology Dr. Oribes José Vieira – obstetrics and gynecology
Physician hours	8:00am to 6:00pm physicians on-duty After 6:00pm attending nurse can contact on-call physician
Nurses	One nurse and five nurse assistants.
Rooms	Seven rooms (two beds each).
Emergency Room	One emergency room (three beds).
Ambulances	None

- Ceilândia Regional Laboratory (Laboratório Regional de Ceilândia)
- Guará Regional Laboratory (Laboratório Regional do Guará)
- Taguatinga Radiology Center (Central de Radiologia de Taguatinga)
- Mental Health Institute (Instituto de Saúde Mental)

There are three main public hospitals, including, Base Hospital, North Wing Regional Hospital, and University of Brasília Hospital. In the north and south sectors of the *wings* there are hospital sectors. Please recall that the city of Brasília is in the shape of an airplane. That is what is meant by “wings”. The hospitals in the north and south sectors are mainly private hospitals. In every satellite city around Brasília (e.g., Planaltina) there is a regional hospital. The satellite hospitals normally receive patients, make an evaluation, and if necessary, the patient is transported to the Base Hospital or the North Wing Regional Hospital.

For the two main field sites in Brasília (IBGE and Águas Emendadas) there are two recommended hospitals in terms of distance. For IBGE it is best to drive to the Base Hospital (some private hospitals are closer, but do not offer the best emergency treatment). For Águas Emendadas, the Planaltina Regional Hospital is the closest. Patients can be transported to one of the larger hospitals in the city if necessary. The fire department can also be contacted transport the patient from the location of the accident to the hospital. In this case, the accompanying physician in the mobile ICU decides which hospital the patient should be taken to.

In general, all of the health services in the Federal District are of good quality. Sometimes there are problems with a high volume of patients at the hospitals because these hospitals attend to all the cities that are in a 500 km radius of Brasília.

A. Base Hospital for the Federal District (Hospital de Base do Distrito Federal)

Address: SMHS Hospital de Base - Plano Piloto

Telephone: +55 (061) 325-5050 (dial 325-5050 locally)

Description	This hospital is very well equipped to handle emergencies and specializes in trauma and accidents care. The hospital has an ICU, Blood Center, and Dialysis Center. This hospital also has ambulatory clinics and offers the most complete service of the hospitals in Brasília. This is the best hospital to use for accidents occurring at IBGE.
Physician specialties	Bronchioesophagology, Cardiology, Cardiovascular Surgery, Endocrinology, Gastroenterology, Oncology, General Surgery, Hematology, Medical Clinic, Neurology, Oncology, Odontology, Ophthalmology, Orthopedics, Otolaryngology, Pathology, Pediatrics, Pneumology, Proctology, Psychiatry, Radiotherapy, Rheumatology, Transplants, Tropical Medicine, Urology.
Ambulatory Clinics	Gynecology, Odontology, Pediatrics, Allergy, Immunology, Cardiology, Dermatology, Endocrinology, Gastrology, Hematology, Physical Medicine, Tropical Medicine, Nephrology, Neurology, Nutrition, Oncology, Psychiatry, Pneumology, Radiotherapy, Reumatology, Psychotherapy, and Surgery.
Emergency Clinics	General Medical Clinic, Odontology, Cardiology, Neurology, Psychiatry, and Surgery.
Physician hours	24 hours
Nurses	Information no available
Rooms	571 beds
Emergency Room	Emergency room available
Ambulances	Public system (Phone 193)
English Speaking Physicians	Information not available
ICU	27 beds (Adult and infant ICU)
Forms of Payment	Treatment is free
Costs	Treatment is free
Anti-venom	None available
Point of Contact	N/A
Private or Public?	Public

B. North Wing Regional Hospital (*Hospital da Asa Norte*)

Address: SMHN Qd. 01 Bloco A - Plano Piloto

Telephone: +55 (061) 325-4300 (dial 325-4300 locally)

Description	This hospital attends to all types of emergencies, particularly trauma incidents. This hospital also has an ambulatory clinic.
Physician specialties	All major medical specialties
Physician hours	24 hours
Nurses	Information not available
Rooms	385 beds and 34 beds at the ambulatory clinic.
Emergency Room	70 beds all equipped with oxygen and vacuum
Ambulances	Public system (Phone 193)
English Speaking Physicians	Information not available
ICU	Yes
Forms of Payment	Treatment is free
Costs	Treatment is free
Anti-venom	Yes
Point of Contact	Information not available
Private or Public?	Public

C. University of Brasília Hospital - HUB (Hospital da Universidade de Brasília)

Address: SGAN 605 Modulo C - Plano Piloto (on Via L2 North next to the University of Brasília.)

Telephone: +55 (061) 307 3223 (dial 307 3223 locally)

Description	This hospital is best for non-emergency cases. It has an ambulatory clinic, a center for venomous and toxic animal bites, and a dialysis center.
Physician specialties	Cardiology, Cardiovascular Surgery, Endocrinology, Gastroenterology, Oncology, General Surgery, Hematology, Medical Clinic, Oncology, Pediatrics, Urology.
Ambulatory Clinics	General Medical Clinic, Gynecology, Pediatrics, Allergy, Immunology, Cardiology, Dermatology, Endocrinology, Gastroenterology, Hematology, Physical Medicine, Tropical Medicine, Nephrology, Neurology, Nutrition, Oncology, Psychiatry, Pneumology, Psychotherapy).
Emergency Clinics	General Medical Clinic, Odontology, Cardiology, Neurology, Psychiatry, and Surgery.
Physician hours	24 hours
Nurses	Information not available
Rooms	100+ beds
Emergency Room	10 beds
Ambulances	Public system (Phone 193)
English Speaking Physicians	Information not available
ICU	Yes
Forms of Payment	Treatment is free
Costs	Treatment is free
Anti-venom	Yes
Point of Contact	Not available
Private or Public?	Public

D. Planaltina Regional Hospital

Address: Hospital Sector -

Telephone: +55 (061) 389

Description	
Physician specialties	General Surgery, General Medical Clinic, Gynecology, Obstetrics, Pediatrics, Nursery, Pathology.
Ambulatory Clinics	<u>Basic Clinics:</u> Gynecology, Obstetrics, Odontology, Pediatrics <u>Specialized Clinics:</u> Cardiology, Dermatology, Neuro Pediatrics, Nutrition, Oncology, Psychiatric, Pneumology <u>Surgery:</u> General Surgery, Fertility and Reproduction
Emergency Clinics	General Medicine, Gynecology, Obstetrics, Pediatrics, General Surgery
Physician hours	24 hours
Nurses	Information not available
Rooms	58 beds
Emergency Room	Yes
Ambulances	Public service (Phone 193)
English Speaking Physicians	Information not available
ICU	Yes
Forms of Payment	Treatment is free
Costs	Treatment is free
Anti-venom	Not available
Point of Contact	Information no available
Private or Public?	Public

IV. Manaus, Amazonas**A. Hospital 28 of August - Municipal Hospital of Manaus (Hospital 28 de Agosto)**

Address: Rua Recife, 1581 - Adrianópolis

Telephone: 642-4259 (general) 642-4272 (directory)

Description	The Municipal Hospital is a public hospital with emergency room facilities.
Physician specialties	25 physicians on staff: surgery, orthopedics, ear, nose, and throat, ophthalmology, anesthesiology, intensive care, kidney specialists, internists and plastic surgeons.
Physician hours	12
Nurses	Information not provided
Rooms	135 beds
Emergency Room	Six rooms for emergency surgery
Ambulances	Public service (Phone 192)
English Speaking Physicians	Information not available
ICU	Information not available
Forms of Payment	Treatment is free
Costs	Treatment is free
Anti-venom	None
Point of Contact	Dr. Carlos Medeiros
Private or Public?	Public

B. *Hospital Santa Julia (Hospital Santa Júlia)*

Address: Av. Ayrão, 507 - Centro

Telephone: 622-2666

Description	This is the best of the private hospitals. They can attend to emergencies and stock anti-venom.
Physician specialties	Eight physicians on staff of various specialties
Physician hours	12 hours shifts
Nurses	119 nurses
Rooms	81 beds

Emergency Room	12 emergency units and six ICU units
Ambulances	Two ambulances available (one does not carry medical equipment)
English Speaking Physicians	They have one team of doctors with technical support that speak English.
ICU	Six units
Forms of Payment	They accept credit card and cash (Brazilian Real or US Dollar).
Costs	Cost of service varies with level of treatment.
Anti-venom	Yes
Point of Contact	Célia Regina Vieira
Private or Public?	Private

C. Adventist Hospital (*Hospital Adventista*)

Address: Rua Governador Danilo Aersa, 139 – Distrito Industrial
Telephone: 613-1313

Description	A private hospital not as well equipped and staffed as Hospital Santa Julia.
Physicians	Two physicians on staff and several others on-call.
Physician hours	12 hour shifts
Nurses	11 nurses
Rooms	52 beds
Emergency Room	Two emergency rooms
Ambulances	Public service (Phone 192)
English Speaking Physicians	They have physicians that speak English, but prefer that a translator be provided by the patient.
ICU	Five beds
Forms of Payment	Credit cards, checks, or cash (Brazilian Real or U.S. Dollar) accepted.
Costs	Cost of service varies upon level of treatment.

Anti-venom	None
Point of Contact	Milton Reiner (director)
Private or Public?	Private

D. *Tropical Medicine Hospital (Hospital Medicina Tropical)*

Address: Av. Pedro Teixeira, 25 – Dom Pedro

Telephone: 238-3192/3762/4294

Description	A public hospital with anti-venom.
Physicians	Dermatology and Tropical Medicine
Physician hours	
Nurses	16 nurses
Rooms	78 beds- 36 male, 20 female, 22 isolated
Emergency Room	Nine beds
Ambulances	Public service (Phone 192)
English Speaking Physicians	Information not available
ICU	Eight beds
Forms of Payment	Treatment is free
Costs	Treatment is free
Anti-venom	None
Point of Contact	
Private or Public?	Public

E. *Dr. João Lúcio Pereira Machado - East Zone Hospital (Hospital e Pronto Socorro da Zona Leste – Dr. João Lúcio Pereira Machado)*

Address: Av Cosme Ferreira, 3775 - Coroado

Telephone: 644-4979

Description	The best public hospital in Manaus because it offers the most extensive services.
Physicians	18 physicians on duty; Orthopedics, ear, nose, and throat, anesthesiology, kidney specialists, and internists.
Physician hours	12 hour shifts
Nurses	Seven nurses
Rooms	121 rooms
Emergency Room	Four consulting rooms, one recovery room, and 36 observation beds.
Ambulances	Public service (Phone 192)
English Speaking Physicians	Information not available
ICU	11 beds
Forms of Payment	Treatment is free
Costs	Treatment is free
Anti-venom	None
Point of Contact	Assistant on duty
Private or Public?	Public

APPENDIX: HOSPITAL MAPS

- A. Santarém**
- B. Ji-Paraná**
- C. Brasília**
- D. Manaus**